



This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (Previously Presented) An offshore flexible pipe consisting of an unsealed flexible inner layer and outer sealing layers, in which the outer sealing layers are, in succession:

- an inner layer formed from at least one thermoplastic polymer (A) consisting of a polyamide or a blend of a polyamide and a polyolefin having a polyamide matrix;
- optionally, a coextrusion tie layer;
- a polyolefin layer.

Claim 2 (Previously Presented) A pipe according to Claim 1, which additionally successively comprises, outside the polyolefin layer:

- optionally, a coextrusion tie layer;
- an outer layer formed from at least one thermoplastic polymer (B).

Claim 3 (Previously Presented) A pipe according to Claim 2, in which the polymers (B) are polyamides, blends of a polyamide and a polyolefin having a polyamide matrix, copolymers having polyamide blocks and polyether blocks, blends of polyamides and of copolymers having polyamide blocks and polyether blocks, polyetheresters or polyurethanes.

Claim 4 (Previously Presented) A pipe according to Claim 3, wherein the polymers (A) and (B) are PA-11, PA-12, aliphatic polyamides resulting from the condensation of an aliphatic diamine having from 6 to 12 carbon atoms and of an aliphatic diacid having from 9 to 12 carbon atoms or 11/12 copolyamides having either more than 90% of nylon-11 units or more than 90% of nylon-12 units.

Claim 5 (Previously Presented) A pipe according to Claim 4, in which polymers (A) and (B) are PA-11 or PA-12 and contain a plasticizer.

Claim 6 (Previously Presented) A pipe according to Claim 1, comprising a tie layer in which the tie layer is a functionalized polyolefin carrying a carboxylic acid or carboxylic acid anhydride functional group, optionally blended with an unfunctionalized polyolefin.

Claim 7 (Previously Presented) A pipe according to Claim 1, in which the polyolefin of the polyolefin layer is high-density polyethylene.

Claim 8 (Previously Presented) In a method comprising transporting fluids in offshore oil and gas extraction fields through a flexible pipe, the improvement wherein the pipe is according to Claim 1.

Claim 9 (Previously Presented) A pipe according to Claim 1, wherein the unsealed flexible inner layer comprises a wound metal strip.

Claim 10 (Previously Presented) A pipe according to claim 1, wherein polymer (A) is a blend of a polyamide and a polyolefin having a polyamide matrix.

Claim 11 (Previously Presented) An offshore flexible pipe consisting of sealing layers, in succession:

- an inner layer formed from at least one thermoplastic polymer (A), said inner layer being in contact with the fluid being transported in the pipe;
- optionally, a coextrusion tie layer;
- a polyolefin layer.

Claim 12 (Previously Presented) A pipe according to Claim 11, in which the polymer (A) is polyamide, blend of a polyamide and a polyolefin having a polyamide matrix, a copolymer having polyamide blocks and polyether blocks, a blend of polyamides and of copolymers having polyamide blocks and polyether blocks, polyetherester or polyurethane.

Claim 13 (Currently Amended) An offshore flexible pipe consisting of sealing layers, in succession:

- an inner layer formed from at least one thermoplastic polymer (A), said inner layer being in contact with the fluid being transported in the pipe;
- optionally, a coextrusion tie layer;
- a polyolefin layer;
- optionally, a coextrusion tie layer;
- an outer layer formed from at least one thermoplastic polymer (B).

Claim 14 (Previously Presented) A pipe according to Claim 13, in which the polymer (B) is polyamide, a blend of a polyamide and a polyolefin having a polyamide matrix, a copolymer having polyamide blocks and polyether blocks, blend of polyamides and of copolymers having polyamide blocks and polyether blocks, polyetherester or polyurethane.

Claim 15 (Previously Presented) A pipe according to Claim 14, wherein the polymers (A) and (B) are PA-11, PA-12, aliphatic polyamides resulting from the condensation of an aliphatic diamine having from 6 to 12 carbon atoms and of an aliphatic diacid having from 9 to 12 carbon atoms or 11/12 copolyamides having either more than 90% of nylon-11 units or more than 90% of nylon-12 units.

Claim 16 (Previously Presented) A pipe according to Claim 15, in which polymers (A) and (B) are PA-11 or PA-12 and contain a plasticizer.

Claim 17 (Previously Presented) A pipe according to Claim 11 in which the optional tie layer is present, and in which the tie layer is a functionalized polyolefin carrying a carboxylic acid or carboxylic acid anhydride functional group, optionally blended with an unfunctionalized polyolefin.

Claim 18 (Previously Presented) A pipe according to Claim 11, in which the polyolefin of the polyolefin layer is high-density polyethylene.

Claim 19 (Previously Presented) In a method comprising transporting fluids in offshore oil and gas extraction fields through a flexible pipe, the improvement wherein the pipe is one according to Claim 11.